



United States Environmental Protection Agency  
Office of Environmental Measurement & Evaluation  
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North Chelmsford, MA 01863-2431

Laboratory Report

December 10, 2009

Tom Hatzopoulos - HBR  
US EPA New England R1  
John W. McCormack Federal Building  
5 Post Office Square  
Boston, MA 02109

Project Number: 09110029

Project: Parson's Papermill - Holyoke, MA

Analysis: Bulk Asbestos Analysis by PLM

Analyst: Dan Boudreau *DB*  
*12/10/09*

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region 1 SOP, EIASOP-INGASBSD2.

Analytical Method: Polarized Light Microscope (PLM) with Dispersion Staining.

All quantities are estimated volume percent.

Date Samples Received by the Laboratory: 11/23/2009

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340

Sincerely,

*Dan Boudreau* *12/10/09*  
Daniel N. Boudreau  
Chemistry Team Leader



US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0001  
Date of Collection: 11/18/2009  
Date of Extraction: 11/19/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00060  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	Trace	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: 1 small fiber bundle found.

Client Sample ID: N/A  
Date of Collection: N/A  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: N/A  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND		
	Amosite	ND		
	Anthophyllite	ND		
	Chrysotile	ND		
	Crocidolite	ND		
	Tremolite	ND		

Comments: Laboratory blank, RTI standard #16, used to check alignment of polars. Sieve verified to be clean.

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0002  
Date of Collection: 11/18/2009  
Date of Extraction: 11/19/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00061  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: ~95% fiberglass.

Client Sample ID: R01-091117AH-0003  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00062  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	Trace	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: <1%; found in roofing material.

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0004  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00063  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0005  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00064  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: ~ 2% fiberglass.

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0006  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00065  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0007  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00066  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	2	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Flat, tile-like material.

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0008  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00067  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	2	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0009  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00068  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	Trace	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: One fiber bundle.

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0010  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00069  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Sample is burnt wood, charcoal.

Client Sample ID: R01-091117AH-0011  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00070  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Charcoal, bits of brick.



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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0012  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00071  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0013  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00072  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	2	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0014  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00073  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0015  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 11/24/09

Lab Sample ID: AB00074  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0016  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00075  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: ~10% fiberglass. Sample consisted of bits of brick, charred material.

Client Sample ID: R01-091117AH-0017  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00076  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	5	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Sample consists of bits of brick and charred material.

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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0018  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00077  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0019  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00078  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: ~ 10% fiberglass.

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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0020  
Date of Collection: 11/18/2009  
Date of Extraction: 11/24/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00079  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Sample consists of bits of brick, sand, and charred wood. ~5% cellulose and 10% fibergalss.

Client Sample ID: R01-091117AH-0021  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00080  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Parson's Papermill - Holyoke, MA

Laboratory Blank for Bulk Asbestos

Client Sample ID: N/A  
Date of Collection: N/A  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: N/A  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND		
	Amosite	ND		
	Anthophyllite	ND		
	Chrysotile	ND		
	Crocidolite	ND		
	Tremolite	ND		

Comments: Laboratory blank, RTI standard #16, used to check alignment of polars. Sieve verified to be clean.

Client Sample ID: R01-091117AH-0022  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00081  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0023  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00082  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: ~ 3% mineral wool.

Client Sample ID: R01-091117AH-0024  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00083  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	15	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Asbestos fibers identified in both the grey and green tiles.

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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0025  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00084  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0026  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00085  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:



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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0027

Lab Sample ID: AB00086

Date of Collection: 11/19/2009

Matrix Debris

Date of Extraction: 12/7/09

Date of Analysis: 12/7/09

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0028

Lab Sample ID: AB00087

Date of Collection: 11/19/2009

Matrix Debris

Date of Extraction: 12/7/09

Date of Analysis: 12/7/09

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0029  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00088  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0030  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00089  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0031

Lab Sample ID: AB00090

Date of Collection: 11/19/2009

Matrix Debris

Date of Extraction: 12/7/09

Date of Analysis: 12/7/09

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	2	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0032

Lab Sample ID: AB00091

Date of Collection: 11/19/2009

Matrix Debris

Date of Extraction: 12/7/09

Date of Analysis: 12/7/09

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: 100 % fiberglass.

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0033  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00092  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0034  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00093  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	5	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0035  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00094  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: 100% fiberglass.

Client Sample ID: R01-091117AH-0036  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00095  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	3	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

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Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0037  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00096  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	15	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Sample appeared the same as AB00095; This is the only sample containing amosite.

Client Sample ID: R01-091117AH-0038  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00097  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0039  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00098  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	50	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Sample is thick cardboard-like material.

Client Sample ID: R01-091117AH-0040  
Date of Collection: 11/19/2009  
Date of Extraction: 12/7/09  
Date of Analysis: 12/7/09

Lab Sample ID: AB00099  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	5	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0041  
Date of Collection: 11/19/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00100  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	1	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0042  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00101  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:



US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0043

Lab Sample ID: AB00102

Date of Collection: 11/20/2009

Matrix Debris

Date of Extraction: 12/9/09

Date of Analysis: 12/9/09

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0044

Lab Sample ID: AB00103

Date of Collection: 11/20/2009

Matrix Debris

Date of Extraction: 12/9/09

Date of Analysis: 12/9/09

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0045  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00104  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: N/A  
Date of Collection: N/A  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: N/A  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND		
	Amosite	ND		
	Anthophyllite	ND		
	Chrysotile	ND		
	Crocidolite	ND		
	Tremolite	ND		

Comments: Laboratory blank, RTI standard #16, used to check alignment of polars. Sieve verified to be clean.

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0046  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00105  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0047  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00106  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0048  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00107  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0049  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00108  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0050  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00109  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments:

Client Sample ID: R01-091117AH-0051  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00110  
Matrix: Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	15	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Heavy, grey, cardboard material.

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0052  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00111  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	25	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: White, chalky material with many fiber bundles visible.

Client Sample ID: R01-091117AH-0053  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00112  
Matrix Debris

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	10	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Compressed, sandy material.

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Parson's Papermill - Holyoke, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: R01-091117AH-0054  
Date of Collection: 11/20/2009  
Date of Extraction: 12/9/09  
Date of Analysis: 12/9/09

Lab Sample ID: AB00113  
Matrix: Debris

<u>CAS Number</u>	<u>Compound</u>	<u>Concentration</u> <u>%</u>	<u>RL</u> <u>%</u>	<u>Qualifier</u>
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	25	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Heavy, grey, cardboard material.





Samplers' Signatures: *R. H.*

START III, Andover, MA

EPA Contract Number: EP-W-05-042

**CHAIN OF CUSTODY RECORD**

Site #: R01-091117AH (Parson's Paper Mill Removal)

Contact Name: OSC Tom Hatzopoulos

Contact Phone: 617-312-4712

No: R01-091117AH-11/21/09-0001

Lab: OEME

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	MS/MSD
	R01-091117AH-0001	DEBRIS-01	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0002	ACM-02	PLM	Asbestos	11/18/2009	1	plastic bag	N
	R01-091117AH-0003	DAM-03	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0004	DEBRIS-04	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0005	DEBRIS-05	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0006	DEBRIS-06	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0007	ACM-07	PLM	Asbestos	11/18/2009	1	plastic bag	N
	R01-091117AH-0008	DAM-08	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0009	DEBRIS-09	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0010	DEBRIS-10	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0011	DEBRIS-11	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0012	DEBRIS-12	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0013	DEBRIS-13	PLM	Debris	11/18/2009	2	4oz glass jar	Y
	R01-091117AH-0014	DEBRIS-14	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0015	DEBRIS-15	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0016	DEBRIS-16	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0017	DEBRIS-17	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0018	DEBRIS-18	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0019	DEBRIS-19	PLM	Debris	11/18/2009	1	4oz glass jar	N
	R01-091117AH-0020	DEBRIS-20	PLM	Debris	11/18/2009	1	4oz glass jar	N

Special Instructions: email results to OSC Hatzopoulos at [hatzopoulos.athanasios@epa.gov](mailto:hatzopoulos.athanasios@epa.gov)

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	<i>R. H.</i>	11/23/09	<i>D. Hatzopoulos</i>	11/23/09	1:30						

18°C



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**CHAIN OF CUSTODY RECORD**  
Site #: R01-091117AH (Parson's Paper Mill Removal)

Contact Name: OSC Tom Hatzopoulos

No: R01-091117AH-11/21/09-0001

Lab: OEME

[illegible]

Special Instructions: email results to OSC Hatzopoulos at [hatzopoulos.athanasios@epa.gov](mailto:hatzopoulos.athanasios@epa.gov)

SAMPLES TRANSFERRED FROM	
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99	100

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time
	L BIA	11/23/09	Dalewood	11/23/09	11:30



Contact Phone: 617-312-4712

Lab: OEME

Items/Reason	Relinquished by	Date	Received by	Date	Time
	D. B.	11/25/09	Donna Blum	11/23/09	11:30

